

I. AMENDMENTS TO THE CLAIMS

Please entered the amendments specified below into the file of this Application. A complete listing of all claims in the Application is provided below along with each claim's status, which is indicated in a parenthetical expression after each claim number. For claim amendments, deleted matter is indicated by strike-out text and added matter is indicated by underlined text.

1-8 (canceled).

9. (currently amended) A method of making a supercapacitor structure comprising positive and negative electrodes, a porous separator membrane and an electrolyte solution comprising the steps of:

laminating an activated carbon fabric, comprising an active surface area in the range of 1,500 m²/g. to an electrically conductive positive current collector foil to produce a porous positive electrode subassembly;

laminating an activated carbon fabric, comprising an active surface area in the range of 1,500 m²/g. to an electrically conductive negative current collector foil to produce a porous negative electrode subassembly;

disposing the porous separator membrane between the carbon fabric surfaces of the electrode subassemblies to form an assembly;

heating the assembly under pressure to form a porous laminated assembly; and

contacting the porous laminated assembly with electrolyte.

10. (previously presented) The method of claim 9 wherein heating the assembly under pressure comprises heating to temperature in the range 120° to 160° C under pressure.

11. (previously presented) The method of claim 9 wherein heating the assembly under pressure comprises heating under a pressure in the range 3 x 10⁴ to 5 x 10⁴ Pa.

12. (previously presented) The method of claim 9 wherein the assembly is heated under pressure by heated calendar rolling.

13. (previously presented) The method of claim 9 wherein the contacting the assembly with electrolyte comprises contacting the assembly with a non-aqueous electrolyte solution.

14. (previously presented) The method of claim 9 wherein the porous separator membrane comprises an ultra-high molecular weight micro-fibrillar polyolefin.

15. (previously presented) The method of claim 9 wherein the porous separator membrane comprises a polyethylene fabric with a micro-fibular structure and a sufficiently high molecular weight that the polyethylene fabric maintains porosity after being heated to surface temperatures in a melting point range of the polyethylene fabric.

16. (previously presented) The method of claim 9 wherein the positive current collector foil comprises an open mesh aluminum grid.

17. (previously presented) The method of claim 9 wherein the negative current collector foil comprises an open mesh copper grid.